

PATENT COOPERATION TREATY

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From the
INTERNATIONAL SEARCHING AUTHORITY

PCT

To:

see form PCT/ISA/220

21/11

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY (PCT Rule 43bis.1)

Applicant's or agent's file reference see form PCT/ISA/220		FOR FURTHER ACTION See paragraph 2 below
International application No. PCT/EP2005/051044	International filing date (day/month/year) 09.03.2005	Priority date (day/month/year) 19.03.2004
International Patent Classification (IPC) or both national classification and IPC C09B62/09, C09B62/513, C09B62/475		
Applicant CIBA SPECIALTY CHEMICALS HOLDING INC.		

1. This opinion contains indications relating to the following items:

- ☒ Box No. I Basis of the opinion
- ☐ Box No. II Priority
- ☐ Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- ☐ Box No. IV Lack of unity of invention
- ☒ Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- ☐ Box No. VI Certain documents cited
- ☐ Box No. VII Certain defects in the international application
- ☐ Box No. VIII Certain observations on the international application



2. FURTHER ACTION

If a demand for international preliminary examination is made, this opinion will usually be considered to be a written opinion of the International Preliminary Examining Authority ("IPEA"). However, this does not apply where the applicant chooses an Authority other than this one to be the IPEA and the chosen IPEA has notified the International Bureau under Rule 66.1bis(b) that written opinions of this International Searching Authority will not be so considered.

If this opinion is, as provided above, considered to be a written opinion of the IPEA, the applicant is invited to submit to the IPEA a written reply together, where appropriate, with amendments, before the expiration of three months from the date of mailing of Form PCT/ISA/220 or before the expiration of 22 months from the priority date, whichever expires later.

For further options, see Form PCT/ISA/220.

3. For further details, see notes to Form PCT/ISA/220.

Name and mailing address of the ISA:	Authorized Officer
 <p>European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465</p>	<p>Friebel, F</p> <p>Telephone No. +49 89 2399-8552</p> 

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2005/051044

Box No. I Basis of the opinion

1. With regard to the **language**, this opinion has been established on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.
 - ☐ This opinion has been established on the basis of a translation from the original language into the following language , which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application and necessary to the claimed invention, this opinion has been established on the basis of:
 - a. type of material:
 - ☐ a sequence listing
 - ☐ table(s) related to the sequence listing
 - b. format of material:
 - ☐ in written format
 - ☐ in computer readable form
 - c. time of filing/furnishing:
 - ☐ contained in the international application as filed.
 - ☐ filed together with the international application in computer readable form.
 - ☐ furnished subsequently to this Authority for the purposes of search.
3. ☐ In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has been filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that in the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
4. Additional comments:

**WRITTEN OPINION OF THE
INTERNATIONAL SEARCHING AUTHORITY**

International application No.
PCT/EP2005/051044

Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes: Claims	2-4,9,10
	No: Claims	1,5-8
Inventive step (IS)	Yes: Claims	
	No: Claims	1-10
Industrial applicability (IA)	Yes: Claims	1-10
	No: Claims	

2. Citations and explanations

see separate sheet

point V:

1). The present application does not meet the novelty requirement of Art.33(2) PCT (Claims 1,5-8); see the dyestuff of Expl.35 of the document **US-6011140 (D1)**. This reference also relates to the reactive dyeing of textiles; for instance CO; see col.10, the first paragraph.

2). The instantly claimed reactive polyazo dyes are derived from **I-acid as middle component**. Reactive dyes based on this chromophore are well known in the art; see for instance the examples 10.1, 10.2, 10.6 and 10.7 of **DE-19640189 (D2)** and the examples of **JP-63199269 (D3)**. The dyestuffs claimed differ from said prior art dyes on the one hand side with respect to the diazo part in peri-position (D2) and on the other side with regard to the reactive group attached to this sub-structure (D3).

As concerns novelty the dyestuffs claimed are sufficiently distinguished from the dyes of D2 and D3, however, it is not apparent that the now proposed modifications are the outcome of an inventive activity. In this connection the applicant's attention is directed to the reference D4 which already discloses the partial structure D₂ which is apparently essential to the dyestuffs claimed.

The IPEA is of the opinion that none of the claims meet the inventive step requirement of Art.33(3) PCT.

3). As concerns formal matters there is to be noted that there is a discrepancy between Claims 1 and 3 having regard to the definition of the fibre reactive group Y.